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INFORMATION DISCLOSURE  
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Sheet

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of

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|                        |                        |
|------------------------|------------------------|
| Application Number     | 10/040,054             |
| Filing Date            | 1/4/02                 |
| First Named Inventor   | Steven Teig            |
| Group Art Unit         | 2661                   |
| Examiner Name          | Technology Center 2600 |
| Attorney Docket Number | SPLX.P0047             |

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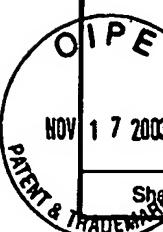
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| Application Number     | 10/040,054             |
| Filing Date            | 1/4/02                 |
| First Named Inventor   | Steven Teig            |
| Group Art Unit         | 2661                   |
| Examiner Name          | Technology Center 2600 |
| Attorney Docket Number | SPLX.P0047             |

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| Examiner Signature |  | Date Considered | 11/14/03 |
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| Substitute for form 1449A/PTO<br><b>O I P E INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br>NOV 17 2003<br>(use as many sheets as necessary) |  |  |  |  |  | Application Number     | 10/040,054             |                 |
|   |  |  |  |  |  | Filing Date            | 1/4/02                 | <b>RECEIVED</b> |
|   |  |  |  |  |  | First Named Inventor   | Steven Teig            | NOV 20 2003     |
|   |  |  |  |  |  | Group Art Unit         | 2661                   |                 |
|   |  |  |  |  |  | Examiner Name          | Technology Center 2600 |                 |
|   |  |  |  |  |  | Attorney Docket Number | SPLX.P0047             |                 |
| 3 of 7  |  |  |  |  |  |                        |                        |                 |

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Sheet

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|                        |                        |
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Sheet

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|                        |                        |
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| Sheet | 6 | of | 7 | Attorney Docket Number | SPLX.P0047 |
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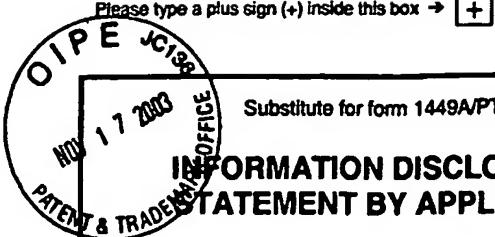
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|-------------------------------|---|----|---|------------------------|-----------------------------------|
| Substitute for form 1449A/PTO |   |    |   | Application Number     | 10/040,054                        |
|                               |   |    |   | Filing Date            | 1/4/02                            |
|                               |   |    |   | First Named Inventor   | Steven Teig                       |
|                               |   |    |   | Group Art Unit         | 2661                              |
|                               |   |    |   | Examiner Name          |                                   |
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| ✓    | 88. | Zhou, H. et al., Optimal River Routing with Crosstalk Constraints, ACM Transactions on Design Automation of Electronic Systems, vol. 3, No. 3, July 1998, pp. 496-514.                          |  |

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|--------------------|--|-----------------|----------|
| Examiner Signature |  | Date Considered | 12/19/02 |
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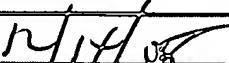
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| Substitute for form 1449A/PTO                    |   |    |   | Application Number     | 10/040,054  |
| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT |   |    |   | Filing Date            | «1/4/02     |
|  |   |    |   | First Named Inventor   | Steven Teig |
|  |   |    |   | Group Art Unit         | 2661        |
|  |   |    |   | Examiner Name          | <not yet>   |
| Sheet  | 1 | of | 4 | Attorney Docket Number | SPLX.P0047  |

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| RELATED U.S. PATENT DOCUMENTS |          |   |                           |   |   |
|-------------------------------|----------|---|---------------------------|---|---|
| Examiner Initials             | Cite No. | U.S. Patent Document Number             | Date of filing MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Related Application Data  |
| MTJ                           | 1.       | 2003/0079193                            | 12-07-2001                | Steven Teig et al.                              | Application with some of the same parent provisional and non-provisional applications.  |
|                               | 2.       | 2003/0018947                            | 12-07-2001                | Steven Teig et al.                              | Application with some of the same parent provisional and non-provisional applications.  |
|                               | 3.       | 2002/0147958                            | 10-19-2001                | Steven Teig et al.                              | Parent application per preliminary amendment dated 2/19/03..  |
|                               | 4.       | 2003/0063614                            | 01-04-2002                | Steven Teig et al.                              | Application with some of the same parent provisional and non-provisional applications.  |
|                               | 5.       | 2003/0064559                            | 01-04-2002                | Steven Teig et al.                              | Application with some of the same parent provisional and non-provisional applications.  |
|                               | 6.       | 2003/0101428<br>S/N 10/040,915          | 01-05-2002                | Steven Teig et al.                              | Application with some of the same parent provisional and non-provisional applications.  |
|                               | 7.       | Preliminary Amendment<br>S/N 10/040,915 | 01-05-2002                | Steven Teig et al.                              | This Preliminary Amendment is submitted as the publication 2003/0101428 does not accurately reflect the claims of S/N 10/040,915. |
|                               | 8.       | 2002/0166105<br>S/N 10/040,948          | 01-05-2002                | Steven Teig et al.                              | Application with some of the same parent provisional and non-provisional applications.  |
|                               | 9.       | Preliminary Amendment<br>S/N 10/040,948 | 01-052-002                | Steven Teig et al.                              | This Preliminary Amendment is submitted as the publication 2002/0166105 does not accurately reflect the claims of S/N 10/040,948. |
|                               | 10.      | 2003/0043827<br>S/N 10/040,953          | 01-052-002                | Steven Teig et al.                              | Application with some of the same parent provisional and non-provisional applications.  |
|                               | 11.      | Preliminary Amendment<br>S/N 10/040,953 | 01-052-002                | Steven Teig et al.                              | This Preliminary Amendment is submitted as the publication 2003/0043827 does not accurately reflect the claims of S/N 10/040,953. |

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| Filing Date          | «1/4/02     | <b>RECEIVED</b>        |   |
| First Named Inventor | Steven Teig | OCT 21 2003            |   |
| Group Art Unit       | 2661        |                        |   |
| Examiner Name        | <not yet>   | Technology Center 2600 |   |
| Sheet                | 2           | of                     | 4 |
|                      |             | Attorney Docket Number |   |
|                      |             | SPLX.P0047             |   |

**RELATED U.S. PATENT DOCUMENTS**

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|-----|-----|--|------------|--------------------|---|
| 170 | 12. | 2003/0023943<br>S/N 10/040,954             | 01-05-2002 | Steven Teig et al. | Application with some of the same parent provisional and non-provisional applications.  |
|     | 13. | Preliminary<br>Amendment<br>S/N 10/040,954 | 01-05-2002 | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2003/0023943 does not accurately reflect the claims of S/N 10/040,954. |
|     | 14. | 2003/0066042<br>S/N 10/040,963             | 01-05-2002 | Steven Teig et al. | Application with some of the same parent provisional and non-provisional applications.  |
|     | 15. | Preliminary<br>Amendment<br>S/N 10/040,963 | 01-05-2002 | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2003/0066042 does not accurately reflect the claims of S/N 10/040,963. |
|     | 16. | 2002/0174412<br>S/N 10/041,942             | 01-07-2002 | Steven Teig et al. | Application with some of the same parent provisional and non-provisional applications.  |
|     | 17. | Preliminary<br>Amendment<br>S/N 10/041,942 | 01-07-2002 | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2002/0174412 does not accurately reflect the claims of S/N 10/041,942. |
|     | 18. | 2003/0088844<br>S/N 10/041,957             | 01-07-2002 | Steven Teig et al. | Application with some of the same parent provisional and non-provisional applications.  |
|     | 19. | Preliminary<br>Amendment<br>S/N 10/041,957 | 01-07-2002 | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2003/0088844 does not accurately reflect the claims of S/N 10/041,957. |
|     | 20. | 2002/0199165<br>S/N 10/046,864             | 01-13-2002 | Steven Teig et al. | Application with some of the same parent provisional and non-provisional applications.  |
|     | 21. | Preliminary<br>Amendment<br>S/N 10/046,864 | 01-13-2002 | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2002/0199165 does not accurately reflect the claims of S/N 10/046,864. |
|     | 22. | 2003/0066043                               | 01-13-2002 | Steven Teig et al. | Application with some of the same parent provisional and non-provisional applications.  |

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12/17/05

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**RELATED U.S. PATENT DOCUMENTS**

|     |     |  |            |                    |   |
|-----|-----|--|------------|--------------------|---|
| 170 | 23. | 2003/0115566                                   | 01-13-2002 | Steven Teig        | Application with some of the same parent provisional and non-provisional applications.  |
|     | 24. | 2003/0056187<br>S/N 10/047,982                 | 01-14-2002 | Steven Teig et al. | Application with some of the same parent provisional and non-provisional applications.  |
|     | 25. | Preliminary<br>Amendment<br>S/N 10/047,982     | 01-14-002  | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2003/0056187 does not accurately reflect the claims of S/N 10/047,982  |
|     | 26. | 2003/0066044                                   | 01-13-2002 | Steven Teig et al. | Application with some of the same parent provisional and non-provisional applications.  |
|     | 27. | 2003/0066045                                   | 01-13-2002 | Steven Teig et al. | Application with some of the same parent provisional and non-provisional applications.  |
|     | 28. | 2003/0088845<br>S/N 10/047,978                 | 01-13-2002 | Steven Teig et al. | Application with some of the same parent provisional and non-provisional applications.  |
|     | 29. | Preliminary<br>Amendment for<br>S/N 10/047,978 | 01-13-2002 | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2003/0088845 does not accurately reflect the claims of S/N 10/047,978. |
|     | 30. | 2002/0133798                                   | 12-06-2000 | Steven Teig et al. | Application regarding related placement technology.   |
|     | 31. | 2002/0100007                                   | 12-06-2200 | Steven Teig et al. | Application regarding related placement technology.   |
|     | 32. | 2002/0073390<br>S/N 09/737,210                 | 12-13-2000 | Steven Teig et al. | Application regarding related placement technology.   |
|     | 33. | Preliminary<br>Amendment<br>S/N 09/737,210     | 12-13-2000 | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2002/0073390 does not accurately reflect the claims of S/N 09/737,210. |
|     | 34. | S/N 09/737,220                                 | 12-13-2000 | Steven Teig et al. | Application regarding related placement technology.   |
|     | 35. | S/N 09/737,245                                 | 12-13-2000 | Steven Teig et al. | Application regarding related placement technology.   |

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| Substitute for form 1449A/PTO                 |   |    |   | Application Number     | 10/040,054                        |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT |   |    |   | Filing Date            | 11/4/02                           |
| (use as many sheets as necessary)             |   |    |   | First Named Inventor   | Steven Teig                       |
| Sheet   | 4 | of | 4 | Group Art Unit         | 2661 OCT 21 2003                  |
|   |   |    |   | Examiner Name          | <not yet>                         |
|   |   |    |   | Attorney Docket Number | SPLX.P0047 Technology Center 2600 |

| RELATED U.S. PATENT DOCUMENTS |     |  |            |                    |   |
|-------------------------------|-----|--|------------|--------------------|---|
| 140                           | 36. | S/N 09/739,460                             | 12-15-2000 | Steven Teig et al. | Application regarding related placement technology.   |
|                               | 37. | 2002/0124231<br>S/N 09/739,580             | 12-15-2000 | Steven Teig et al. | Application regarding related placement technology.   |
|                               | 38. | Preliminary<br>Amendment<br>S/N 09/739,580 | 12-15-2000 | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2002/0124231 does not accurately reflect the claims of S/N 09/739,580. |
|                               | 39. | S/N 09/739,589                             | 12-15-2000 | Steven Teig et al. | Application regarding related placement technology.   |
|                               | 40. | S/N 09/742,171                             | 12-19-2000 | Steven Teig et al. | Application regarding related placement technology.   |
|                               | 41. | 2003/0121015<br>S/N 09/745,067             | 12-19-2000 | Steven Teig et al. | Application regarding related placement technology.   |
|                               | 42. | Preliminary<br>Amendment<br>S/N 09/745,067 | 12-19-2000 | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2003/0121015 does not accurately reflect the claims of S/N 09/745,067. |
|                               | 43. | 2002/0069397                               | 01-13-2002 | Steven Teig et al. | Application regarding related placement technology.   |
|                               | 44. | 2002/0170027                               | 02-20-2002 | Steven Teig et al. | Application regarding related placement technology.   |
|                               | 45. | 2002/0157075                               | 02-20-2002 | Steven Teig et al. | Application regarding related placement technology.   |
|                               | 46. | 2003/0088841<br>S/N 10/329,241             | 12-23-2002 | Steven Teig et al. | Application regarding related placement technology.   |
|                               | 47. | Preliminary<br>Amendment<br>S/N 10/329,241 | 12-23-2002 | Steven Teig et al. | This Preliminary Amendment is submitted as the publication 2003/0088841 does not accurately reflect the claims of S/N 10/329,241. |

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